REQ. NO. 3-9101-4

URANIUM TAILINGS SAMPLES

RECOMMENDED VALUES FOR URANIUM TAILINGS REFERENCE MATERIALS

CONTRACT REPORT NO. OSQ83-00066

Element		UTS-1	UTS-2	UTS-3	UTS-4
		wt %			
Ba	1.	0.022	0.048	0.016	0.006
	2.	0.022	0.046	0.017	0.007
	3.	0.020	0.046	0.017	0.006
	4.	0.023	0.046	0.018	0.008
	5.	0.022	0.044	0.018	0.009
S (total)	1.	--	--	--	1.794
	2.	--	--	--	1.795
	3.	--	--	--	1.794
	4.	--	--	--	1.797
	5.	--	--	--	1.792
Sulfate	1.	2.70	0.94	0.03	5.16
	2.	2.70	0.91	0.035	5.17
	3.	2.70	0.91	0.03	5.20
	4.	2.72	0.91	0.03	5.18
	5.	2.71	0.91	0.03	5.19

Bottle Numbers:

UTS-1, 1500
UTS-2, 558
UTS-3, 678
UTS-4, 808

Sulphur: 1 g sample, Leco Furnace, Iodate Titration.
Reference Standards HV-1, PR-1.

Sulfate: 1-10 g sample, Decomposition with HCl, precipitation with $BaCl_2$, Gravimetric finish.

Barium: XRF - Briquette
6 g sample
1 g Internal Standard

JAN 28 1986
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